

US-CL-CURRENT: 424/93.2; 424/93.6, 435/235.1, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Drawn De
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☐ 13. Document ID: US 6004557 A

L26: Entry 13 of 24

File: USPT

Dec 21, 1999

US-PAT-NO: 6004557

DOCUMENT-IDENTIFIER: US 6004557 A

TITLE: Variants of human papillomavirus antigens

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Stirling John	Caburg			AU
Cox; John Cooper	Bullengarook			AU
Webb; Elizabeth Ann	Eltham			AU
Frazer; Ian	St. Lucia.			AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/199.1, 424/204.1, 435/235.1, 435/320.1,
435/69.1, 435/69.7, 536/23.1, 536/23.72 , 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Drawn De
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☐ 14. Document ID: US 5968761 A

L26: Entry 14 of 24

File: USPT

Oct 19, 1999

US-PAT-NO: 5968761

DOCUMENT-IDENTIFIER: US 5968761 A

TITLE: Ubiquitin conjugating enzymes

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rolfe; Mark	Newton Upper Falls	MA		
Chiu; Maria Isabel	Boston	MA		
Cottarel; Guillaume	West Roxbury	MA		
Berlin; Vivian	Dunstable	MA		
Damagnez; Veronique	Cambridge	MA		
Draetta; Giulio	Winchester	MA		

US-CL-CURRENT: 435/15; 435/193

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 15. Document ID: US 5858987 A

L26: Entry 15 of 24

File: USPT

Jan 12, 1999

US-PAT-NO: 5858987

DOCUMENT-IDENTIFIER: US 5858987 A

TITLE: E6AP antisense constructs and methods of use

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beer-Romero; Peggy L.	Arlington	MA		
Draetta; Giulio	Winchester	MA		
Rolfe; Mark	Newton Upper Falls	MA		

US-CL-CURRENT: 514/44; 435/5, 435/6, 435/91.2, 536/23.1, 536/24.3, 536/24.33,
536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 16. Document ID: US 5821051 A

L26: Entry 16 of 24

File: USPT

Oct 13, 1998

US-PAT-NO: 5821051

DOCUMENT-IDENTIFIER: US 5821051 A

TITLE: E6 binding proteins

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Androphy; Elliot	Natick	MA		
Chen; Jason J.	Boston	MA		

US-CL-CURRENT: 435/5; 530/350, 530/352, 530/357, 530/358

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 17. Document ID: US 5770384 A

L26: Entry 17 of 24

File: USPT

Jun 23, 1998

US-PAT-NO: 5770384

DOCUMENT-IDENTIFIER: US 5770384 A

TITLE: Method for determining compound interaction with E2 binding proteins

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Androphy; Elliot J.	Natick	MA		
Breiding; David E.	Somerville	MA		

US-CL-CURRENT: 435/7.8; 435/5, 435/69.1, 435/69.7, 435/7.1, 435/7.93, 514/2,
530/300, 530/350, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 18. Document ID: US 5744133 A

L26: Entry 18 of 24

File: USPT

Apr 28, 1998

US-PAT-NO: 5744133

DOCUMENT-IDENTIFIER: US 5744133 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use thereof in preventative or curative treatment of the corresponding tumor

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lathe; Richard	Strasbourg			FR
Kieny; Marie-Paule	Strasbourg			FR
Meneguzzi; Guerrino	Nice			FR

US-CL-CURRENT: 424/93.2; 424/93.6, 435/235.1, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 19. Document ID: US 5712092 A

L26: Entry 19 of 24

File: USPT

Jan 27, 1998

US-PAT-NO: 5712092

DOCUMENT-IDENTIFIER: US 5712092 A

TITLE: Papillomavirus probe and process for in vitro diagnosis of papillomavirus infections

DATE-ISSUED: January 27, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Orth; Gerard	Sceaux			FR
Beaudenon; Sylvie	Esbly			FR
Favre; Michel	Paris			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Pehau-Arnaudet; Gerard	Montreuil			FR

US-CL-CURRENT: 435/6; 435/252.3, 435/320.1, 435/5, 536/23.72, 536/24.3, 536/24.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Draw D
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☐ 20. Document ID: US 5709844 A

L26: Entry 20 of 24

File: USPT

Jan 20, 1998

US-PAT-NO: 5709844

DOCUMENT-IDENTIFIER: US 5709844 A

TITLE: Transgenic mice expressing HPV early region oncogene develop progressive cervico-vaginal neoplasia

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arbeit; Jeffrey M.	San Francisco	CA		
Hanahan; Douglas	San Francisco	CA		

US-CL-CURRENT: 800/3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Draw D
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☐ 21. Document ID: US 5698764 A

L26: Entry 21 of 24

File: USPT

Dec 16, 1997

US-PAT-NO: 5698764

DOCUMENT-IDENTIFIER: US 5698764 A

TITLE: Transgenic mice expressing HPV early region oncogene develop progressive epithelial neoplasia

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arbeit; Jeffrey M.	San Francisco	CA		
Hanahan; Douglas	San Francisco	CA		
Howley; Peter M.	Wellesley	MA		

US-CL-CURRENT: 800/3; 424/9.2, 800/10, 800/18

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw De
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☐ 22. Document ID: US 5679509 A

L26: Entry 22 of 24

File: USPT

Oct 21, 1997

US-PAT-NO: 5679509

DOCUMENT-IDENTIFIER: US 5679509 A

**** See image for Certificate of Correction ****

TITLE: Methods and a diagnostic aid for distinguishing a subset of HPV that is associated with an increased risk of developing cervical dysplasia and cervical cancer

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wheeler; Cosette M.	Placitas	NM		
Parmenter; Cheryl A.	Albuquerque	NM		

US-CL-CURRENT: 435/5; 435/6, 435/7.21, 435/7.23, 435/91.2, 436/64, 436/811, 436/813

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 23. Document ID: US 5629161 A

L26: Entry 23 of 24

File: USPT

May 13, 1997

US-PAT-NO: 5629161

DOCUMENT-IDENTIFIER: US 5629161 A

TITLE: Use of HVP-16 E6 and E7-gene derived peptides to diagnose HPV-16-associated invasive cervical cancer

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Muller; Martin	Heidelberg			DE
Gissmann; Lutz	Wiesloch			DE

US-CL-CURRENT: 435/7.1; 530/324, 530/325, 530/326, 530/327, 530/387.9, 530/388.3, 530/389.1, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 24. Document ID: US 5045447 A

L26: Entry 24 of 24

File: USPT

Sep 3, 1991

US-PAT-NO: 5045447

DOCUMENT-IDENTIFIER: US 5045447 A

TITLE: Method of producing antibodies to HPV

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minson; Anthony C.	Great Shelford, Cambridge			GB2

US-CL-CURRENT: 435/5; 422/61, 435/7.92, 436/548

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Terms	Documents
E7 and HPV-16.clm.	24

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<input type="checkbox"/>	L27	L1	1
<input type="checkbox"/>	L26	E7 and HPV-16.clm.	24
<input type="checkbox"/>	L25	E7 and HPV-16	164
<input type="checkbox"/>	L24	E6 and HPV 18.clm.	29
<input type="checkbox"/>	L23	E6 and HPV 16.clm.	49
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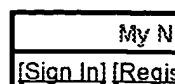
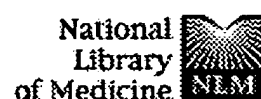
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<input type="checkbox"/>	L5	5679509.pn. and antibody	1

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☐ 1: [O'Neill FJ, Frisque RJ, Xu X, Hu YX, Carney H.](#) Related Articles, Links

Immortalization of human cells by mutant and chimeric primate polyomavirus T-antigen genes.
Oncogene. 1995 Mar 16;10(6):1131-9.
PMID: 7700639 [PubMed - indexed for MEDLINE]

☐ 2: [O'Neill FJ, Hu Y, Chen T, Carney H.](#) Related Articles, Links

Identification of p53 unbound to T-antigen in human cells transformed by simian virus 40 T-antigen.
Oncogene. 1997 Feb 27;14(8):955-65.
PMID: 9050995 [PubMed - indexed for MEDLINE]

☐ 3: [Tavis JE, Trowbridge PW, Frisque RJ.](#) Related Articles, Links

Converting the JCV T antigen Rb binding domain to that of SV40 does not alter JCV's limited transforming activity but does eliminate viral viability.
Virology. 1994 Mar;199(2):384-92.
PMID: 8122368 [PubMed - indexed for MEDLINE]

☐ 4: [O'Neill FJ, Carney H, Hu Y.](#) Related Articles, Links

Host range analysis of simian virus 40, BK virus and chimaeric SV40/BKV: relative expression of large T-antigen and Vp1 in infected and transformed cells.
Dev Biol Stand. 1998;94:191-205. Review.
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Hybrid genomes of the polyomaviruses JC virus, BK virus, and simian virus 40: identification of sequences important for efficient transformation.
J Virol. 1989 Feb;63(2):863-72.
PMID: 2536108 [PubMed - indexed for MEDLINE]


☐ 6: [Trowbridge PW, Frisque RJ.](#) Related Articles, Links

Analysis of G418-selected Rat2 cells containing prototype, variant, mutant, and chimeric JC virus and SV40 genomes.
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The ability of simian virus 40 large T antigen to immortalize primary

mouse embryo fibroblasts cosegregates with its ability to bind to p53.
J Virol. 1991 Dec;65(12):6872-80.
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 **8:** [Swenson JL, Trowbridge PW, Frisque RJ.](#)


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 **Replication activity of JC virus large T antigen phosphorylation and zinc finger domain mutants.**

J Neurovirol. 1996 Apr;2(2):78-86.
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 **Transformation and radiosensitivity of human diploid skin fibroblasts transfected with SV40 T-antigen mutants defective in RB and P53 binding domains.**


Int J Radiat Biol. 1992 Oct;62(4):461-8.
PMID: 1357059 [PubMed - indexed for MEDLINE]

 **10:** [O'Neill FJ, Xu X, Gao Y, Rosenfeld M, Jenkins F, Carney H.](#)


[Related Articles, Links](#)

 **Persistence of the SV40 early region without expression in permissive simian cells.**


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 **The three transforming regions of SV40 T antigen are required for immortalization of primary mouse embryo fibroblasts.**

Oncogene. 1995 Dec 7;11(11):2295-302.
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 **JC virus-simian virus 40 genomes containing heterologous regulatory signals and chimeric early regions: identification of regions restricting transformation by JC virus.**

J Virol. 1989 May;63(5):2180-90.
PMID: 2539511 [PubMed - indexed for MEDLINE]

 **13:** [Lanford RE, Wong C, Butel JS.](#)


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 **Differential ability of a T-antigen transport-defective mutant of simian virus 40 to transform primary and established rodent cells.**


Mol Cell Biol. 1985 May;5(5):1043-50.
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 **14:** [Radna RL, Caton Y, Jha KK, Kaplan P, Li G, Traganos F, Ozer HL.](#)


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 **Growth of immortal simian virus 40 tsA-transformed human fibroblasts is temperature dependent.**


Mol Cell Biol. 1989 Jul;9(7):3093-6.
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 **15:** [Tanaka Y, Tang X, Hou DX, Gao H, Kitabayashi I, Gachelin G, Yokoyama K.](#)

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 **Phenotypic conversion of SV40-immortalized human diploid fibroblasts to senescing cells by introduction of an antisense gene for SV40-T antigen.**

Cell Struct Funct. 1992 Dec;17(6):351-62.
PMID: 1338304 [PubMed - indexed for MEDLINE]


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 **The influence of SV40 immortalization of human fibroblasts on p53-dependent radiation responses.**
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J Virol. 1993 Apr;67(4):1987-95.
PMID: 8383222 [PubMed - indexed for MEDLINE]

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 **Host range analysis of a chimeric simian virus 40 genome containing the BKV capsid genes.**
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PMID: 1332273 [PubMed - indexed for MEDLINE]

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 **Lymphotropic papovavirus transforms hamster cells without altering the amount or stability of p53.**
Virology. 1992 Dec;191(2):754-64.
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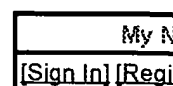
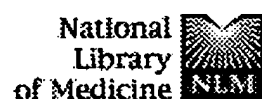
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Proteomics. 2005 Apr 25; [Epub ahead of print]
PMID: 15852342 [PubMed - as supplied by publisher]

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Liposome-polycation-DNA (LPD) particle as a carrier and adjuvant for protein-based vaccines: Therapeutic effect against cervical cancer.
Cancer Immunol Immunother. 2005 Apr 22; [Epub ahead of print]
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


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5: Guimaraes MC, Goncalves MA, Soares CP, Bettini JS, Duarte RA, Soares EG. Related Articles, Links

Immunohistochemical expression of p16INK4a and bcl-2 according to HPV type and to the progression of cervical squamous intraepithelial lesions.
J Histochem Cytochem. 2005 Apr;53(4):509-16.
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Adenoviral p53 effects and cell-specific E7 protein-protein interactions of human cervical cancer cells.
Biosens Bioelectron. 2005 May 15;20(11):2236-43.
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-  **7:** [Zhao X, Oberg D, Rush M, Fay J, Lambkin H, Schwartz S.](#) [Related Articles, Links](#)
-  **A 57-nucleotide upstream early polyadenylation element in human papillomavirus type 16 interacts with hFip1, CstF-64, hnRNP C1/C2, and polypyrimidine tract binding protein.**
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-  **10:** [Dominiecki ME, Beatty GL, Pan ZK, Neeson P, Paterson Y.](#) [Related Articles, Links](#)
-  **Tumor sensitivity to IFN-gamma is required for successful antigen-specific immunotherapy of a transplantable mouse tumor model for HPV-transformed tumors.**
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-  **The HPV-16 E7 oncogene sensitizes malignant cells to IFN-alpha-induced apoptosis.**
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-  **Assessment of human papillomavirus mRNA detection over time in cervical specimens collected in liquid based cytology medium.**
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PMID: 15664071 [PubMed - indexed for MEDLINE]
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PMID: 15661235 [PubMed - indexed for MEDLINE]
-  **14:** [Hussain SF, Paterson Y.](#) [Related Articles, Links](#)
-  **What is needed for effective antitumor immunotherapy? Lessons learned using *Listeria monocytogenes* as a live vector for HPV-associated tumors.**
Cancer Immunol Immunother. 2005 Jun;54(6):577-86. Epub 2005 Jan 14.
PMID: 15650885 [PubMed - in process]
-  **15:** [Steinberg T, Ohlschlager P, Sehr P, Osen W, Gissmann L.](#) [Related Articles, Links](#)

-  **Modification of HPV 16 E7 genes: correlation between the level of protein expression and CTL response after immunization of C57BL/6 mice.**
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- ☐ **16:** Riethdorf S, Neffen EF, Cviko A, Loning T, Crum CP, Riethdorf L. [Related Articles](#), [Links](#)
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PMID: 15619206 [PubMed - indexed for MEDLINE]
- ☐ **17:** Youde SJ, McCarthy CM, Thomas KJ, Smith KL, Man S. [Related Articles](#), [Links](#)
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Int J Cancer. 2005 Apr 20;114(4):606-12.
PMID: 15609329 [PubMed - indexed for MEDLINE]
- ☐ **18:** Sewell DA, Shahabi V, Gunn GR 3rd, Pan ZK, Dominiecki ME, Paterson Y. [Related Articles](#), [Links](#)
 **Recombinant Listeria vaccines containing PEST sequences are potent immune adjuvants for the tumor-associated antigen human papillomavirus-16 E7.**
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PMID: 15604239 [PubMed - indexed for MEDLINE]
- ☐ **19:** Bourgault Villada I, Moyal Barracco M, Ziol M, Chaboissier A, Barget N, Berville S, Paniel B, Jullian E, Clerici T, Maillere B, Guillet JG. [Related Articles](#), [Links](#)
 **Spontaneous regression of grade 3 vulvar intraepithelial neoplasia associated with human papillomavirus-16-specific CD4(+) and CD8(+) T-cell responses.**
Cancer Res. 2004 Dec 1;64(23):8761-6.
PMID: 15574788 [PubMed - indexed for MEDLINE]
- ☐ **20:** Chang CH, Chen TH, Hsu RC, Chou PH, Yang JJ, Hwang GY. [Related Articles](#), [Links](#)
 **The prevalence of HPV-18 and variants of E6 gene isolated from cervical cancer patients in Taiwan.**
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PMID: 15572004 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 6884786 B1

L26: Entry 1 of 24

File: USPT

Apr 26, 2005

US-PAT-NO: 6884786

DOCUMENT-IDENTIFIER: US 6884786 B1

TITLE: Antitumoral composition based on immunogenic polypeptide with modified cell location

DATE-ISSUED: April 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kieny; Marie-Paule	Strasbourg			FR
Balloul; Jean-Marc	Lingolsheim			FR
Bizouarne; Nadine	Schiltigheim			FR

US-CL-CURRENT: 514/44; 424/93.1, 435/320.1, 435/455, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 2. Document ID: US 6864054 B1

L26: Entry 2 of 24

File: USPT

Mar 8, 2005

US-PAT-NO: 6864054

DOCUMENT-IDENTIFIER: US 6864054 B1

TITLE: Polypeptides from CREB binding protein and related protein p300 for use in transcriptional regulation

DATE-ISSUED: March 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Connor; Mark J.	Cambridge			GB
Zimmermann; Holger	Wuppertal			DE

US-CL-CURRENT: 435/6; 435/235.1, 435/325, 435/69.1, 435/69.7, 435/91.1, 435/91.33, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D.
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☐ 3. Document ID: US 6734173 B1

L26: Entry 3 of 24

File: USPT

May 11, 2004

US-PAT-NO: 6734173

DOCUMENT-IDENTIFIER: US 6734173 B1

TITLE: HSP DNA vaccines

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wu; Tzyy-Choou	Stevenson	MD		
Hung; Chien-Fu	Brookeville	MD		

US-CL-CURRENT: 514/44; 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D.
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☐ 4. Document ID: US 6605281 B1

L26: Entry 4 of 24

File: USPT

Aug 12, 2003

US-PAT-NO: 6605281

DOCUMENT-IDENTIFIER: US 6605281 B1

TITLE: Human papillomavirus vectors for the episomal transduction of host cells and method of making same

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Broker; Thomas R.	Mountain Brook	AL		
Chow; Louise T.	Mountain Brook	AL		
Sorscher; Eric J.	Birmingham	AL		
Zou; Nianxiang	Homewood	AL		
Gadi; Vijayakrishna K.	Birmingham	AL		

US-CL-CURRENT: 424/199.1; 424/204.1, 435/235.1, 435/252.3, 435/320.1, 435/325,
435/69.1, 536/23.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D.
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☐ 5. Document ID: US 6432926 B1

L26: Entry 5 of 24

File: USPT

Aug 13, 2002

US-PAT-NO: 6432926

DOCUMENT-IDENTIFIER: US 6432926 B1

TITLE: Compositions and methods for treating papillomavirus-infected cells

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Howley; Peter M.	Wellesley	MA		
Dowhanick-Morrisette; Jennifer J.	Pottstown	PA		
Benson; John D.	Brookline	MA		
Sakai; Hiroyuki	Kyoto			JP

US-CL-CURRENT: 514/44; 424/204.1, 435/325, 435/455, 514/12, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 6. Document ID: US 6420160 B1

L26: Entry 6 of 24

File: USPT

Jul 16, 2002

US-PAT-NO: 6420160

DOCUMENT-IDENTIFIER: US 6420160 B1

TITLE: Virus-like particles useful as a vector for delivering nucleic acid

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bloch; Marie-Aline	Lyons			FR

US-CL-CURRENT: 435/239; 424/192.1, 424/204.1, 424/93.2, 424/93.21, 424/93.6,
435/235.1, 435/455

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 7. Document ID: US 6306397 B1

L26: Entry 7 of 24

File: USPT

Oct 23, 2001

US-PAT-NO: 6306397

DOCUMENT-IDENTIFIER: US 6306397 B1

TITLE: Variants of human papilloma virus antigens

DATE-ISSUED: October 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Stirling John	Northcote			AU
Cox; John Cooper	Bullengarook			AU
Webb; Elizabeth Ann	Eltham			AU
Frazer; Ian	St. Lucia			AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/204.1, 435/235.1, 435/69.1, 435/69.7,
536/23.1, 536/23.72, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 8. Document ID: US 6277980 B1

L26: Entry 8 of 24

File: USPT

Aug 21, 2001

US-PAT-NO: 6277980

DOCUMENT-IDENTIFIER: US 6277980 B1

TITLE: Human papilloma virus inhibition by anti-sense oligonucleotides

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DiPaolo; Joseph	Bethesda	MD		
Alvarez-Salas; Luis	Bethesda	MD		

US-CL-CURRENT: 536/24.5; 536/23.1, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 9. Document ID: US 6235523 B1

L26: Entry 9 of 24

File: USPT

May 22, 2001

US-PAT-NO: 6235523

DOCUMENT-IDENTIFIER: US 6235523 B1

TITLE: Vectors for DNA immunization against cervical cancer

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gajewczyk; Diane M.	Toronto			CA
Persson; Roy	North York			CA
Yao; Fei-Long	North York			CA
Cao; Shi-Xian	Etobicoke			CA

Klein; Michel H.	Willowdale	CA
Tartaglia; James	Schenectady	NY
Moingeon; Phillipe	F-Pommiers	FR
Rovinski; Benjamin	Thornhill	CA

US-CL-CURRENT: [435/320.1](#); [424/186.1](#), [424/192.1](#), [424/204.1](#), [514/44](#), [536/23.72](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Draw Dg
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☐ 10. Document ID: US 6084090 A

L26: Entry 10 of 24

File: USPT

Jul 4, 2000

US-PAT-NO: 6084090

DOCUMENT-IDENTIFIER: US 6084090 A

TITLE: Human papilloma virus anti-sense oligonucleotides

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DiPaolo; Joseph	Bethesda	MD		
Alvarez-Salas; Luis	Bethesda	MD		

US-CL-CURRENT: [536/24.5](#); [435/6](#), [536/24.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Draw Dg
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L2	3294 S "E7"
L3	2219 S L2 AND L1
L4	2961 S HPV-16
L5	2219 S L3 AND L2
L6	812 S L4 AND L5
L7	335 S DIAGNOSTIC ASSAY
L8	1 S L6 AND L7
L9	93 S ORF7
L10	0 S L9 AND L4
L11	0 S L9 AND L1
L12	0 S L1 AND ORF(W) 7
L13	836 S L2 AND L4
L14	232 S CERVICAL CANCER AND L13
L15	0 S DILLNER/AU AND L14
L16	0 S DILLNER/AU AND L4
L17	2377 S HUMAN PAPILLOMAVIRUS TYPE 16
L18	0 S L7 AND L17
L19	1272 S L17 AND L2
L20	0 S L17 AND L9
L21	617 S DETECT? AND L17
L22	155 S L21 AND CERVICAL CANCER

- L22 ANSWER 1 OF 155 MEDLINE on STN
TI Induction of **human papillomavirus type 16**-specific immunologic responses in a normal and an human papillomavirus-infected populations.
- L22 ANSWER 2 OF 155 MEDLINE on STN
TI HPV16-specific cytotoxic T lymphocyte responses are **detected** in all HPV16-positive **cervical cancer** patients.
- L22 ANSWER 3 OF 155 MEDLINE on STN
TI Superior therapeutic efficacy of alphavirus-mediated immunization against human papilloma virus type 16 antigens in a murine tumour model: effects of the route of immunization.
- L22 ANSWER 4 OF 155 MEDLINE on STN
TI Chemically synthesized protein as tumour-specific vaccine: immunogenicity and efficacy of synthetic HPV16 E7 in the TC-1 mouse tumour model.
- L22 ANSWER 5 OF 155 MEDLINE on STN
TI Impaired antigen presentation and effectiveness of combined active/passive immunotherapy for epithelial tumors.
- L22 ANSWER 6 OF 155 MEDLINE on STN
TI Different methods of identifying new antigenic epitopes of **human papillomavirus type 16** E6 and E7 proteins.
- L22 ANSWER 7 OF 155 MEDLINE on STN
TI **Detection** of antibodies against a human papillomavirus (HPV) type 16 peptide that differentiate high-risk from low-risk HPV-associated low-grade squamous intraepithelial lesions.
- L22 ANSWER 8 OF 155 MEDLINE on STN
TI **Human papillomavirus type 16** -positive **cervical cancer** is associated with impaired CD4+ T-cell immunity against early antigens E2 and E6.
- L22 ANSWER 9 OF 155 MEDLINE on STN
TI Analysis of **human papillomavirus type-16** variants in Italian women with cervical intraepithelial neoplasia and **cervical cancer**.
- L22 ANSWER 10 OF 155 MEDLINE on STN
TI Generation of a DNA microarray for determination of E6 natural variants of **human papillomavirus type 16**.
- L22 ANSWER 11 OF 155 MEDLINE on STN
TI Characterization of a new type HPV16 E7 variant isolated from **cervical cancer** highest incidence area in Hubei Province of China.
- L22 ANSWER 12 OF 155 MEDLINE on STN
TI Antisense activity **detection** by inhibition of fluorescence resonance energy transfer.
- L22 ANSWER 13 OF 155 MEDLINE on STN
TI **Detection** of HPV16 E6 gene in cervical tissues by quantitative polymerase chain reaction.
- L22 ANSWER 14 OF 155 MEDLINE on STN
TI Use of the nested reverse transcription-polymerase chain reaction for the **detection** of human papillomavirus 16 E6 transcriptional activity in **cervical cancer**: a technical perspective.
- L22 ANSWER 15 OF 155 MEDLINE on STN
TI Recombinant adenovirus-p53 gene transfer and cell-specific growth suppression of human **cervical cancer** cells in vitro

and in vivo.

- L22 ANSWER 16 OF 155 MEDLINE on STN
TI Functional analysis of the **human papillomavirus type 16** E1=E4 protein provides a mechanism for in vivo and in vitro keratin filament reorganization.
- L22 ANSWER 17 OF 155 MEDLINE on STN
TI Notch1 can contribute to viral-induced transformation of primary human keratinocytes.
- L22 ANSWER 18 OF 155 MEDLINE on STN
TI [Quantity estimation of the E2/E6 HPV gene products ratio can be a prognostic marker for the stage of the **cervical cancer** carcinogenesis].
Zastosowanie ilościowej oceny kopii genów E2/E6 HPV16 jako markera diagnostycznego raka szyjki macicy.
- L22 ANSWER 19 OF 155 MEDLINE on STN
TI Recapitulation of the effects of the **human papillomavirus type 16** E7 oncogene on mouse epithelium by somatic Rb deletion and **detection** of pRb-independent effects of E7 in vivo.
- L22 ANSWER 20 OF 155 MEDLINE on STN
TI Interaction between the HPV E7 oncoprotein and the transcriptional coactivator p300.
- L22 ANSWER 21 OF 155 MEDLINE on STN
TI **Detection** of human papillomavirus-16 in ovarian malignancy.
- L22 ANSWER 22 OF 155 MEDLINE on STN
TI Dendritic cell-based tumor vaccine for **cervical cancer**
I: in vitro stimulation with recombinant protein-pulsed dendritic cells induces specific T cells to HPV16 E7 or HPV18 E7.
- L22 ANSWER 23 OF 155 MEDLINE on STN
TI Dendritic cell-based tumor vaccine for **cervical cancer**
II: results of a clinical pilot study in 15 individual patients.
- L22 ANSWER 24 OF 155 MEDLINE on STN
TI Production of **human papillomavirus type 16** virus-like particles in transgenic plants.
- L22 ANSWER 25 OF 155 MEDLINE on STN
TI The RASSF1A tumor suppressor gene is commonly inactivated in adenocarcinoma of the uterine cervix.
- L22 ANSWER 26 OF 155 MEDLINE on STN
TI Measurement of Brn-3a levels in Pap smears provides a novel diagnostic marker for the **detection** of cervical neoplasia.
- L22 ANSWER 27 OF 155 MEDLINE on STN
TI HPV 16 **detection** in cervical lesions, physical state of viral DNA and changes in p53 gene.
- L22 ANSWER 28 OF 155 MEDLINE on STN
TI **Human papillomavirus type 16** and immune status in human immunodeficiency virus-seropositive women.
- L22 ANSWER 29 OF 155 MEDLINE on STN
TI Real-time PCR-based system for simultaneous quantification of human papillomavirus types associated with high risk of **cervical cancer**.
- L22 ANSWER 30 OF 155 MEDLINE on STN
TI **Human papillomavirus type 16** E7 peptide-directed CD8+ T cells from patients with **cervical**

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☐ 11. Document ID: US 6068982 A

L26: Entry 11 of 24

File: USPT

May 30, 2000

US-PAT-NO: 6068982

DOCUMENT-IDENTIFIER: US 6068982 A

TITLE: Ubiquitin conjugating enzymes

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rolfe; Mark	Newton Upper Falls	MA		
Chiu; Maria Isabel	Boston	MA		
Cottarel; Guillaume	West Roxbury	MA		
Berlin; Vivian	Dunstable	MA		
Damagnez; Veronique	Cambridge	MA		
Draetta; Giulio	Winchester	MA		

US-CL-CURRENT: 435/7.21; 435/193, 435/23, 435/29, 435/4, 435/6, 435/69.1, 435/7.1, 435/7.2, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBAC	Draw D
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☐ 12. Document ID: US 6007806 A

L26: Entry 12 of 24

File: USPT

Dec 28, 1999

US-PAT-NO: 6007806

DOCUMENT-IDENTIFIER: US 6007806 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use thereof in preventive or curative treatment of the corresponding tumor

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lathe; Richard	Strasbourg			FR
Kieny; Marie-Paule	Strasbourg			FR
Meneguzzi; Guerrino	Nice			FR